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Fig. 1

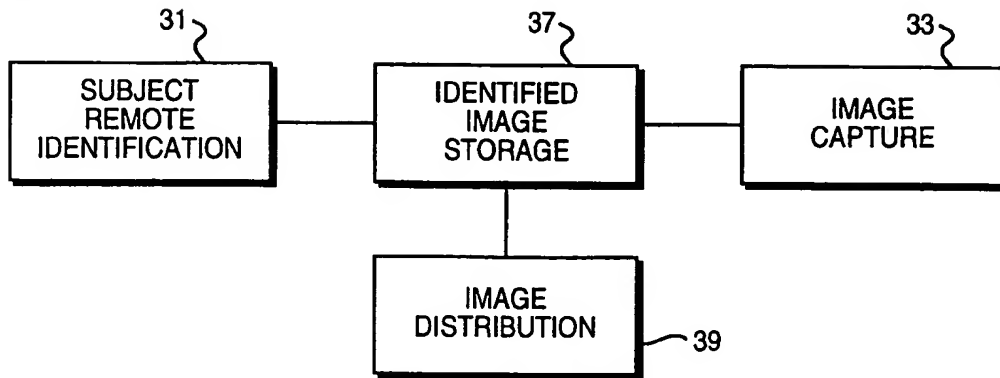


Fig. 5

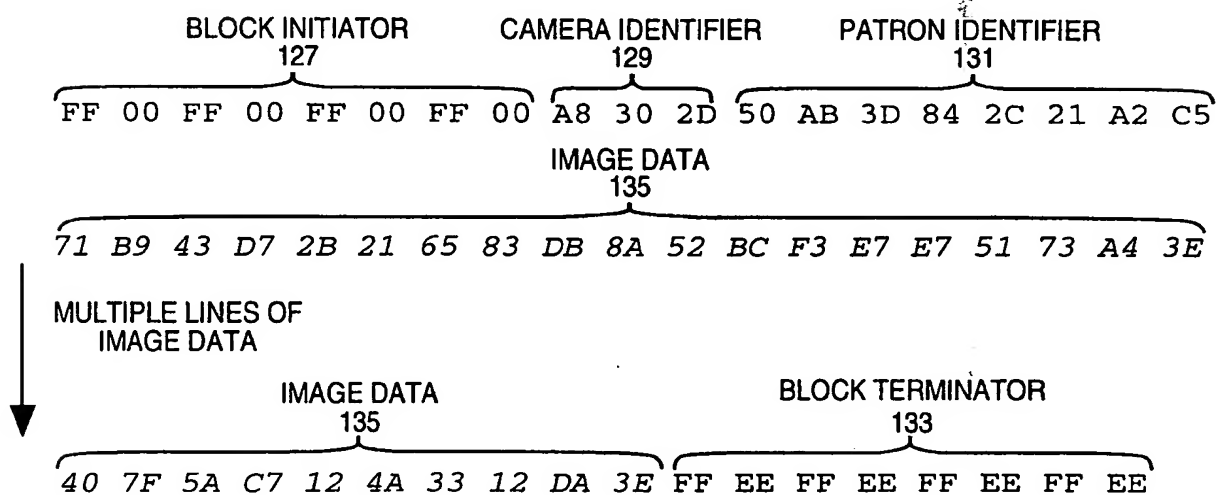
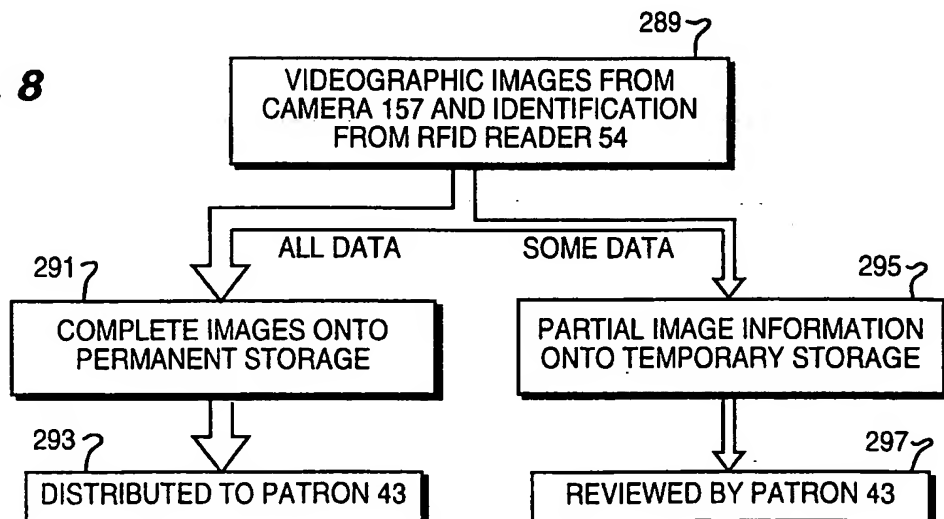
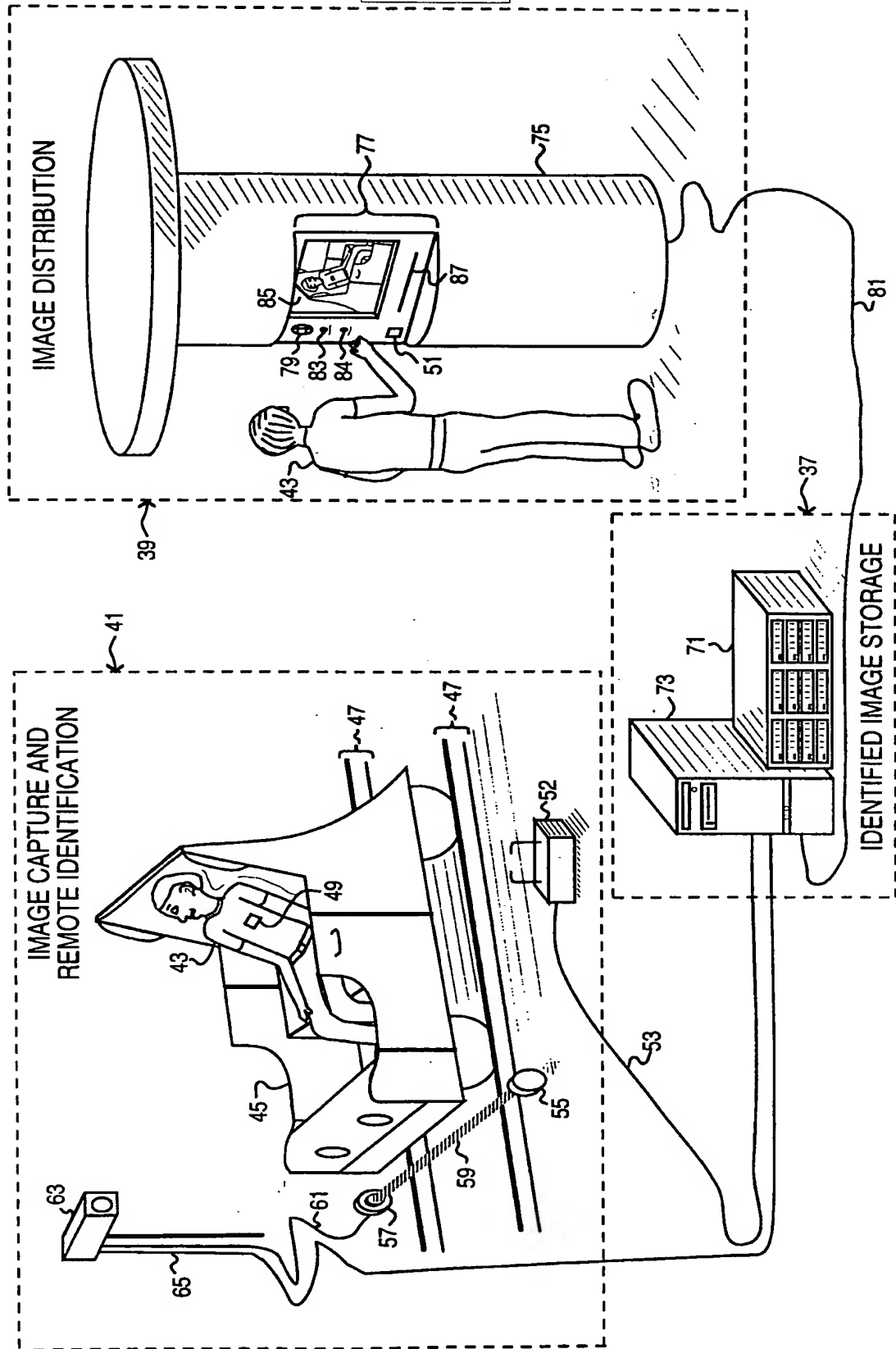


Fig. 8



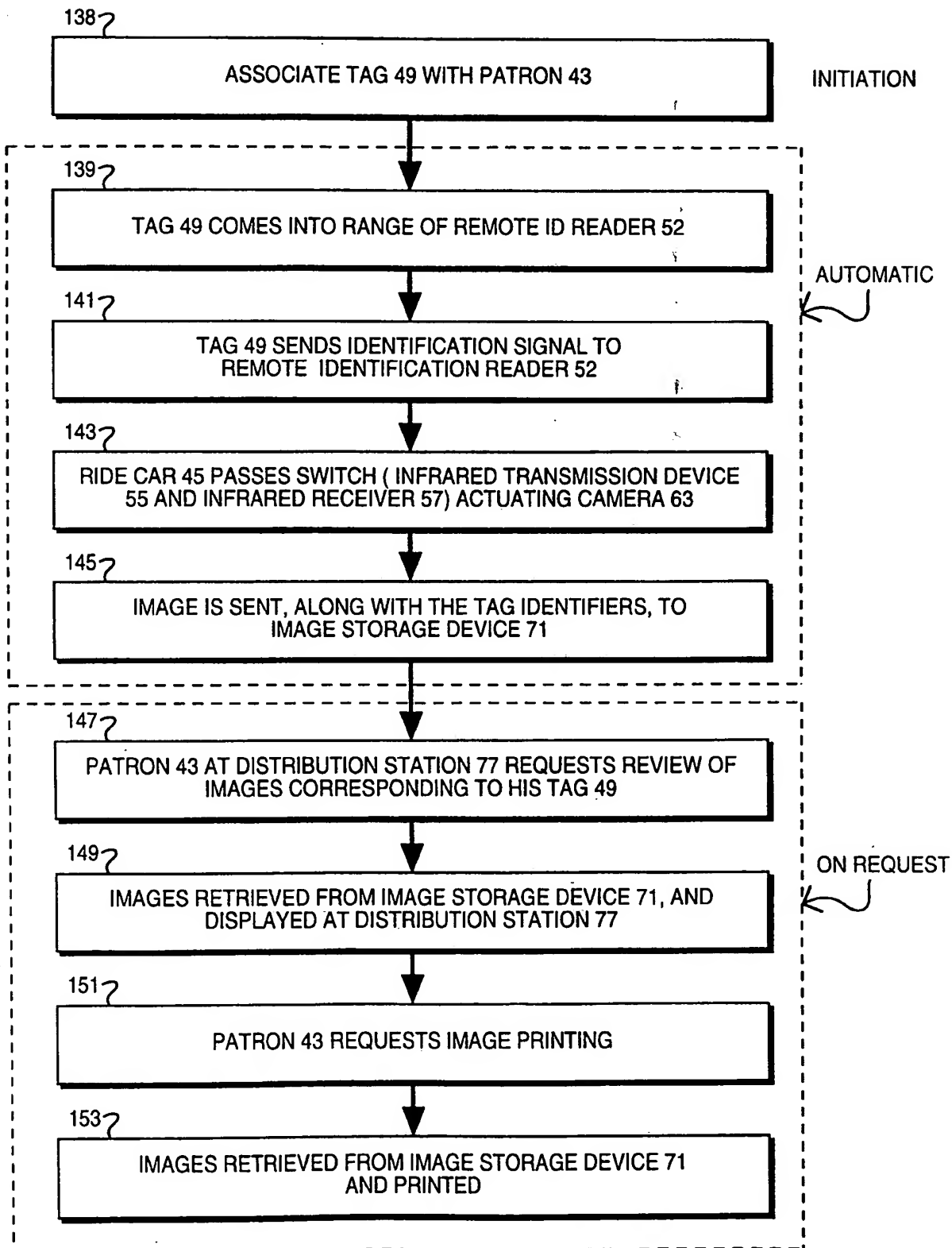
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Fig. 2



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Fig. 3



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IDENTIFIER

DETECTOR

Fig. 4a

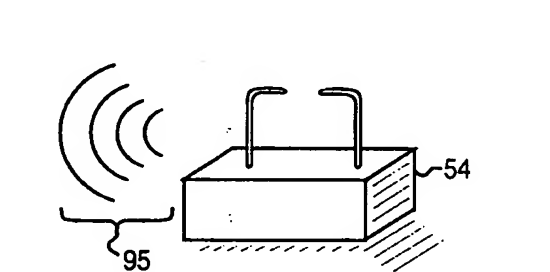
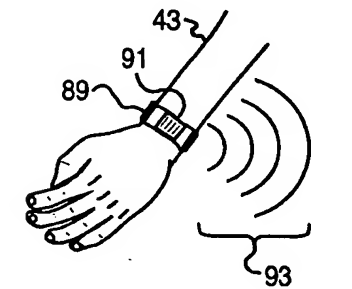


Fig. 4b

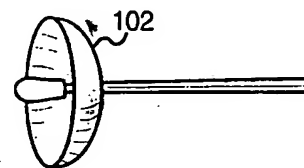
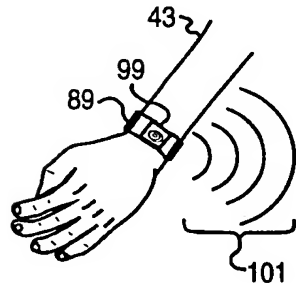


Fig. 4c

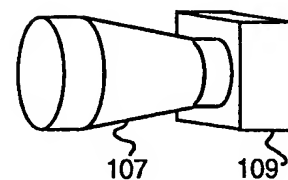
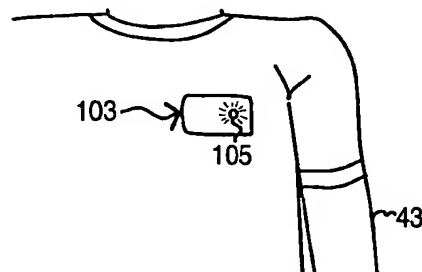


Fig. 4d

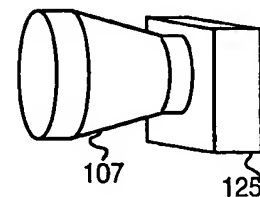
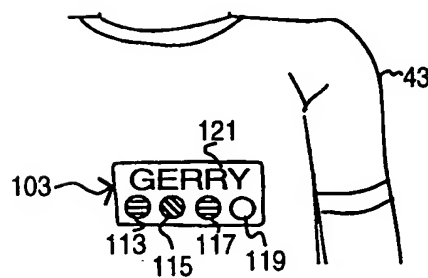
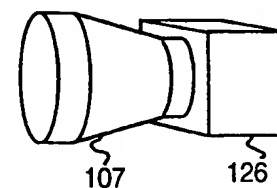


Fig. 4e



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Fig. 6a

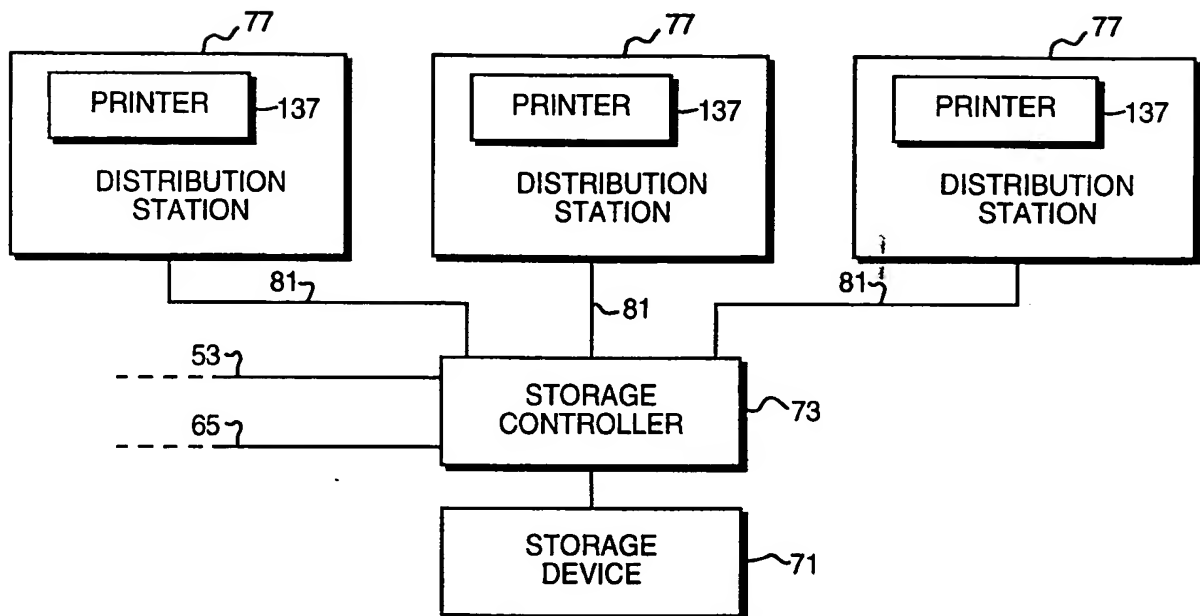
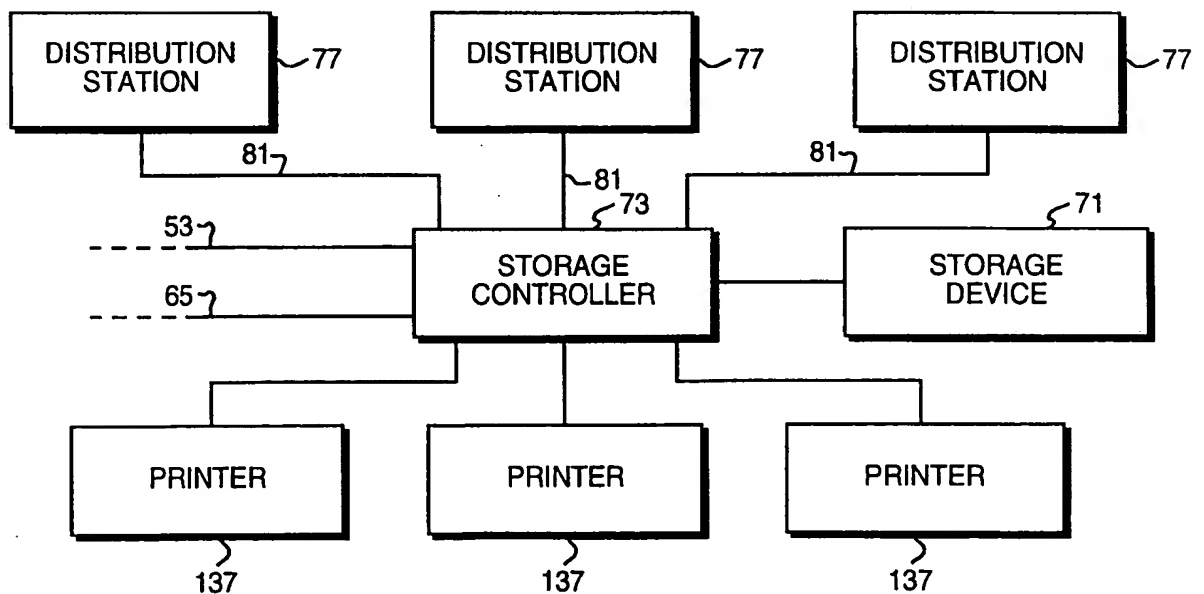
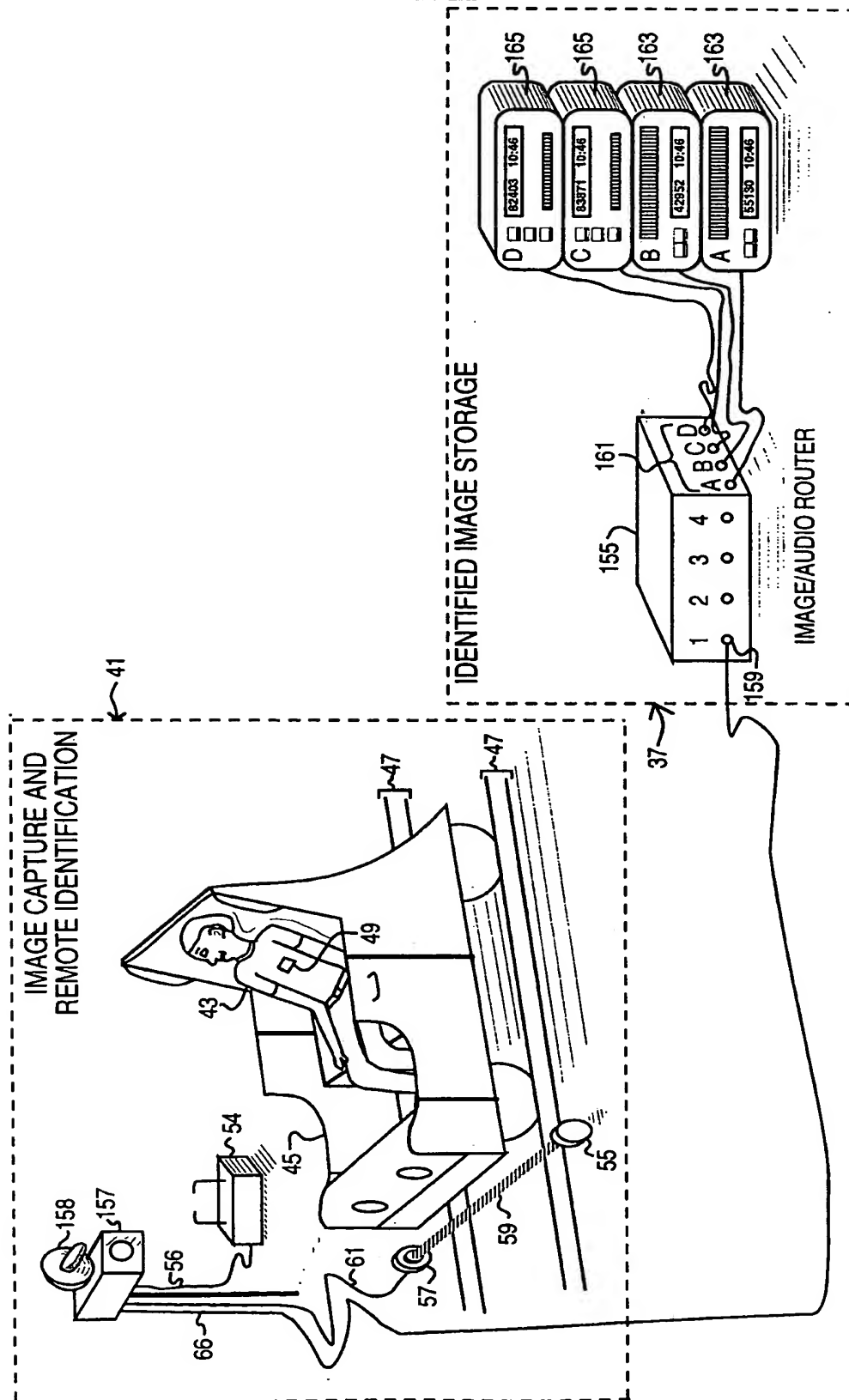


Fig. 6b



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Fig. 7



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Fig. 9

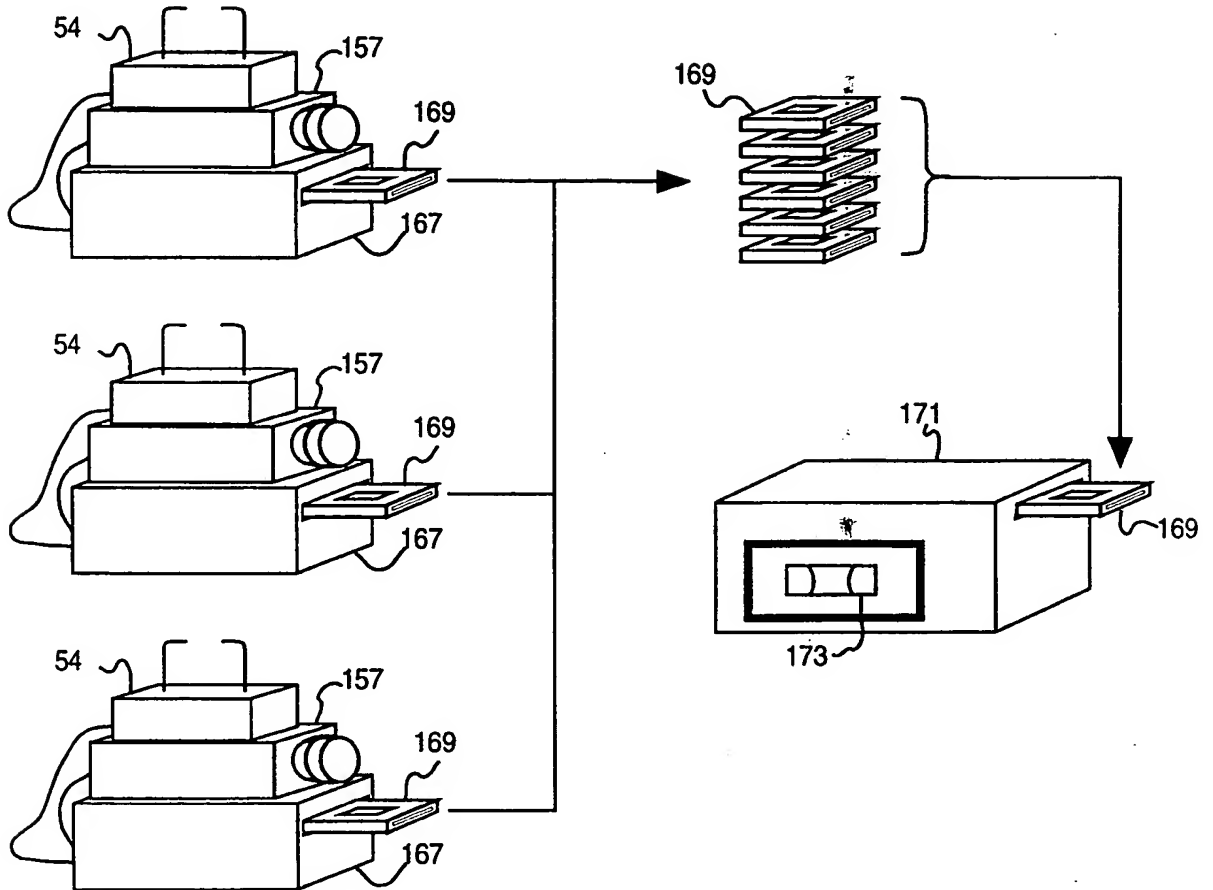
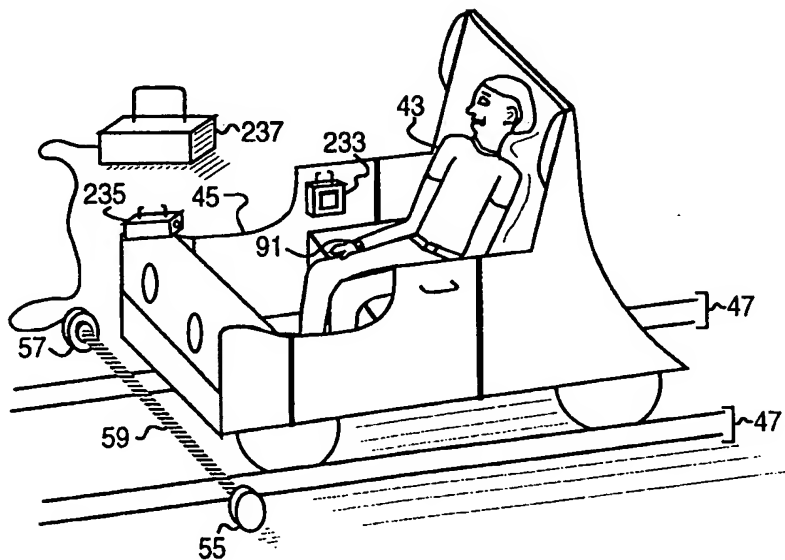


Fig. 11



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Fig. 10b

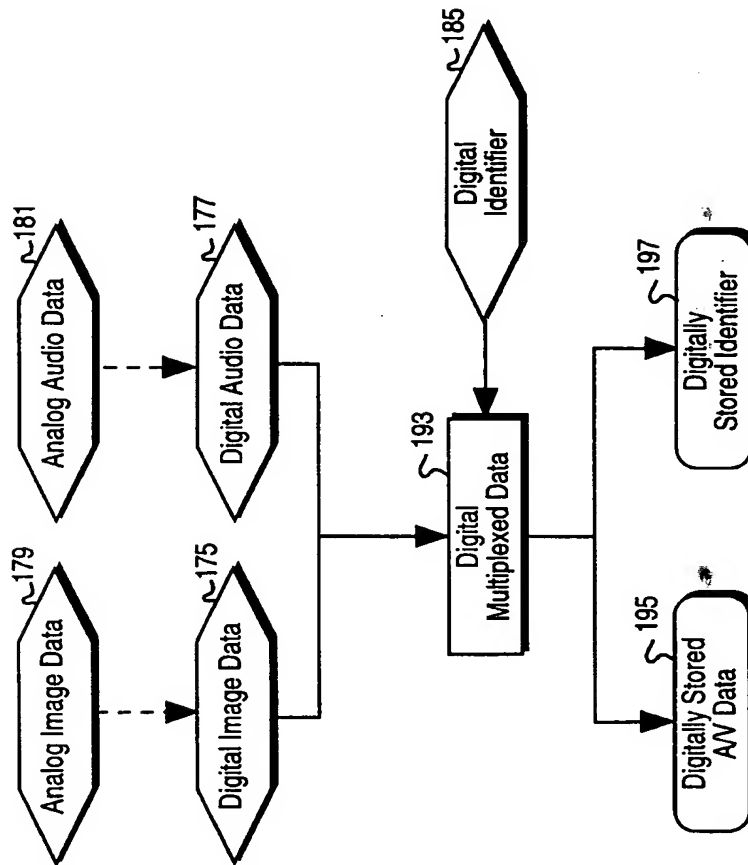
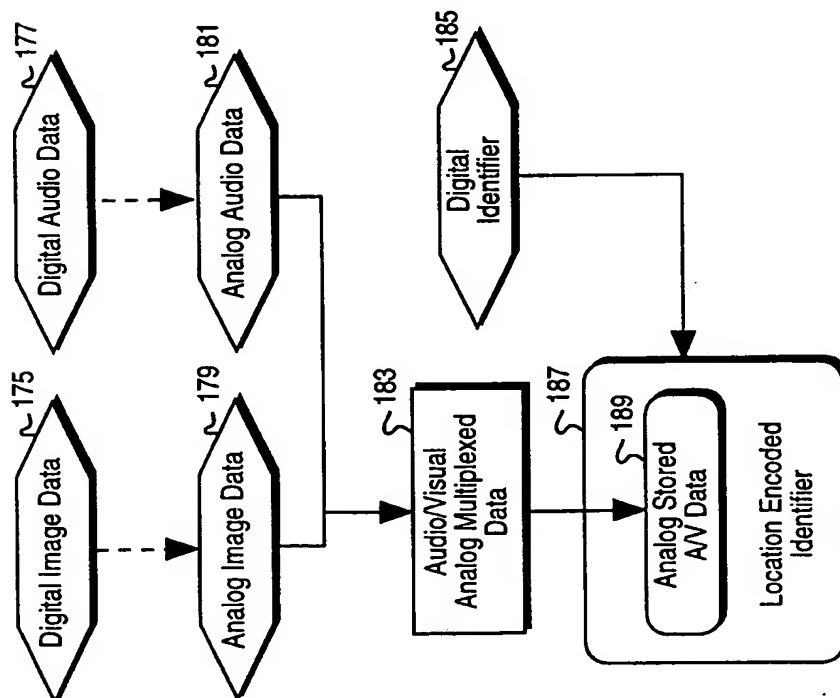


Fig. 10a



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Fig. 12a

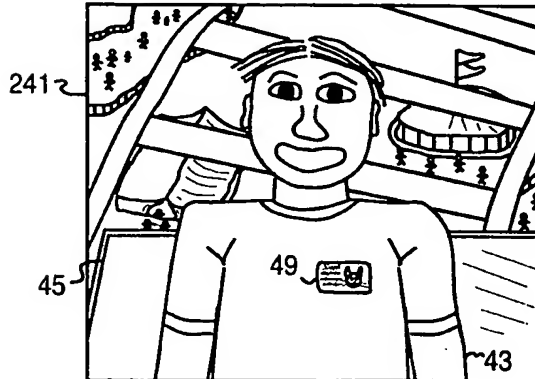


Fig. 12b

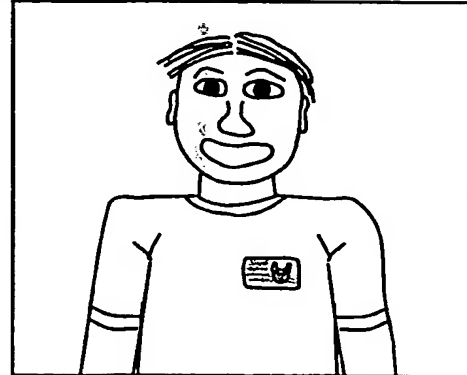


Fig. 12c

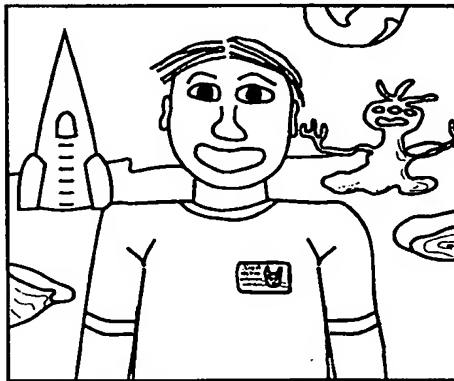


Fig. 12d



Fig. 12e

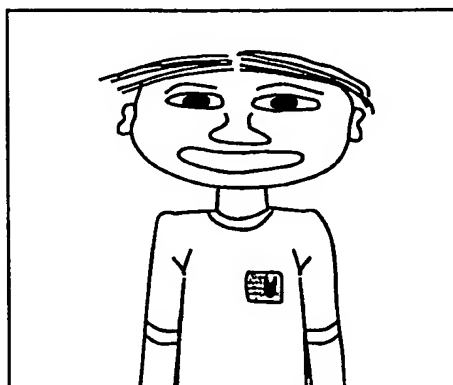


Fig. 13c

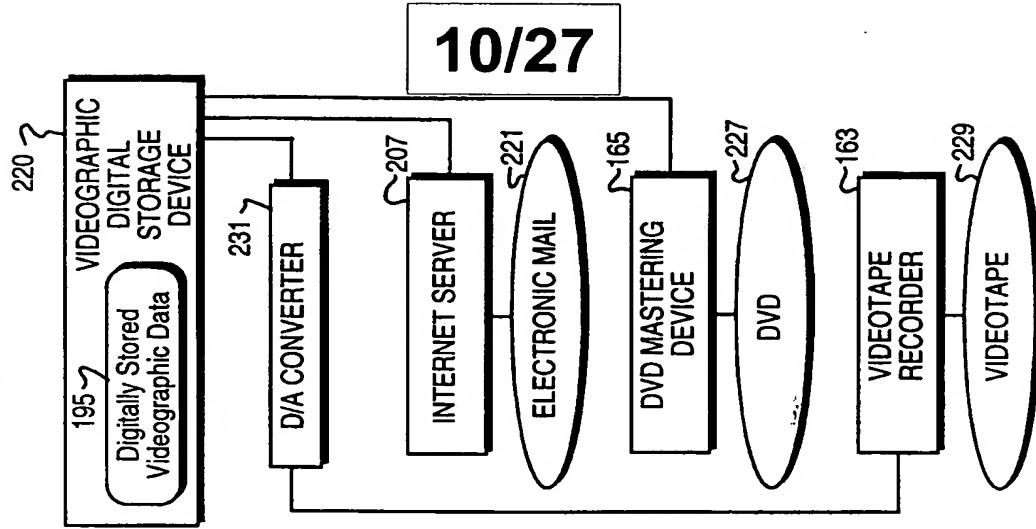


Fig. 13b

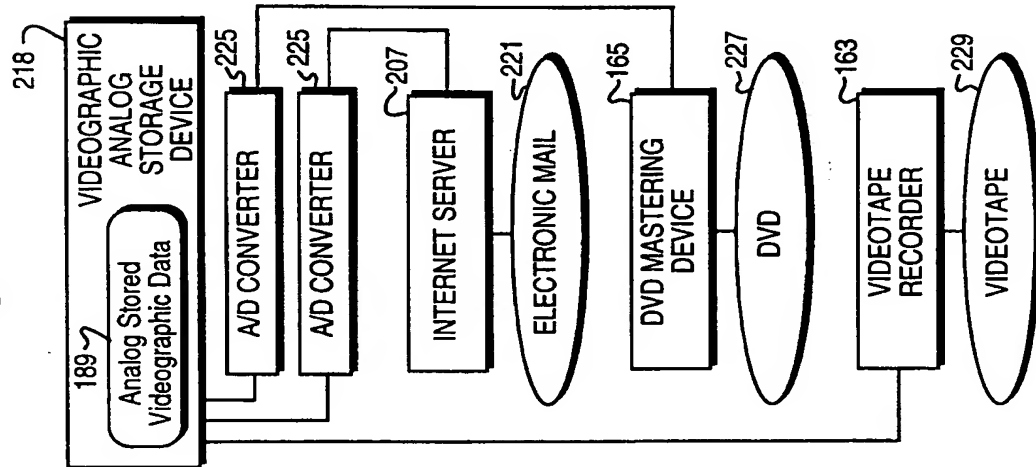
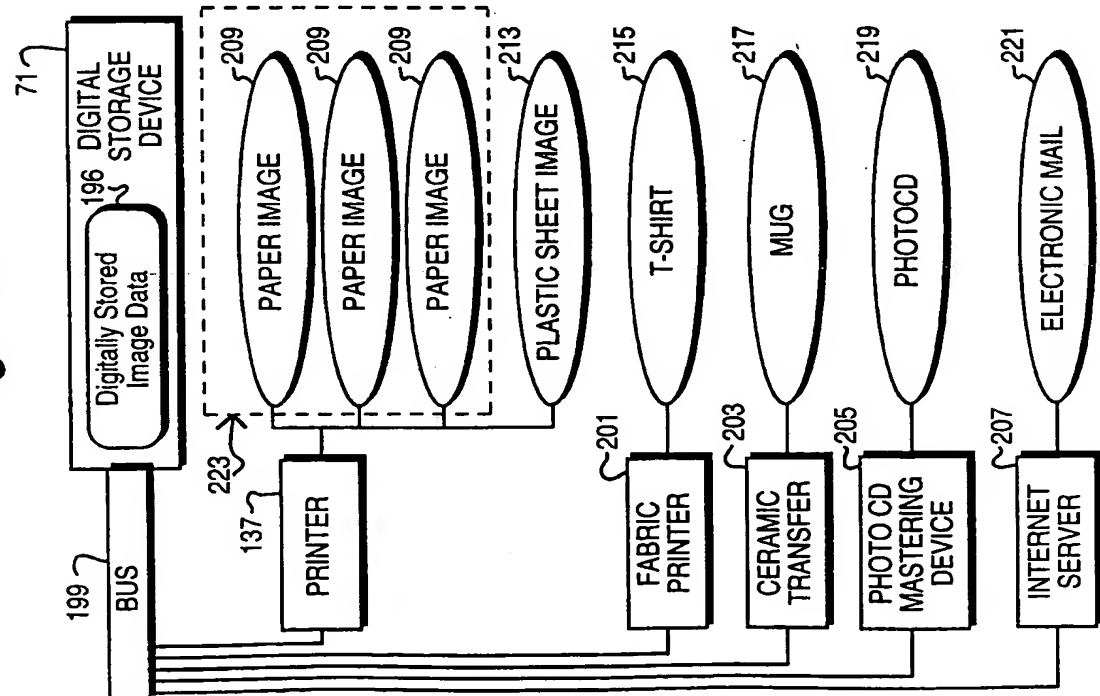


Fig. 13a



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Fig. 14a

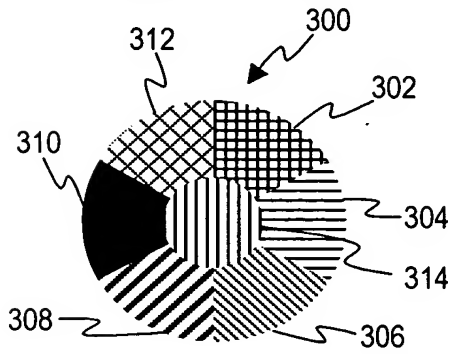


Fig. 14b

	SECTOR		
	302	306	310
RED	255	127	0
GREEN	127	0	255
BLUE	0	255	127

Fig. 14c

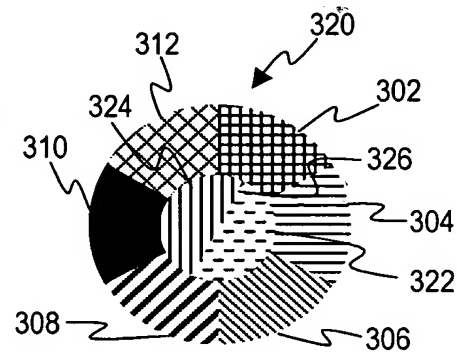
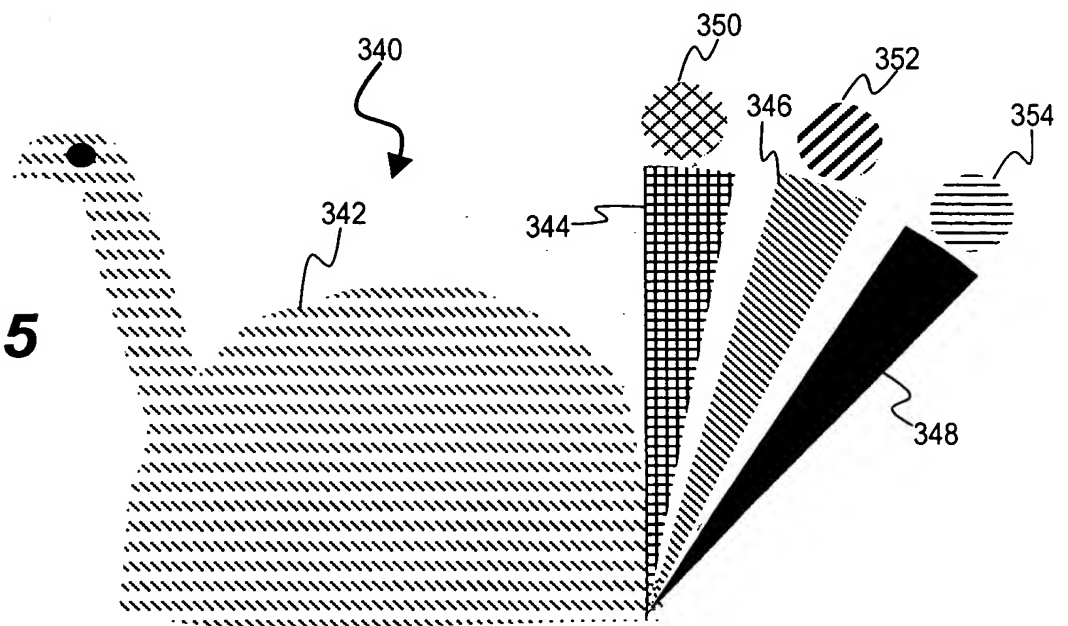


Fig. 15



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Fig. 16

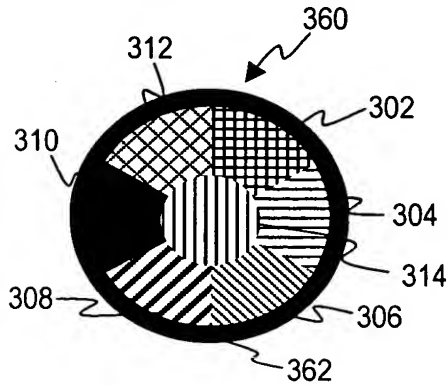


Fig. 17a



Fig. 17b

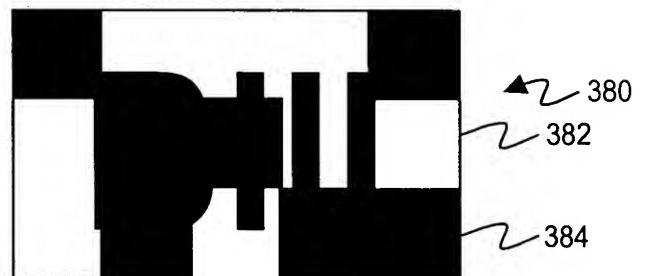


Fig. 17c

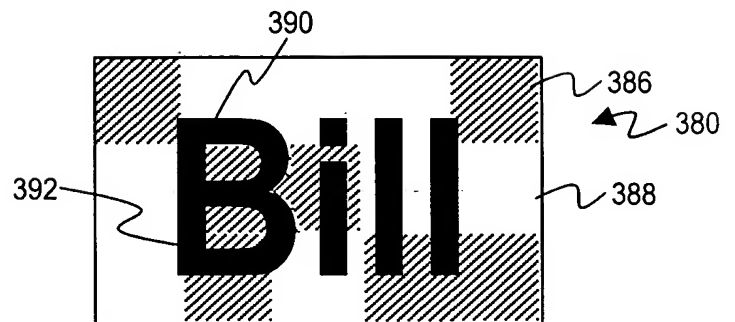


Fig. 22



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Fig. 18a

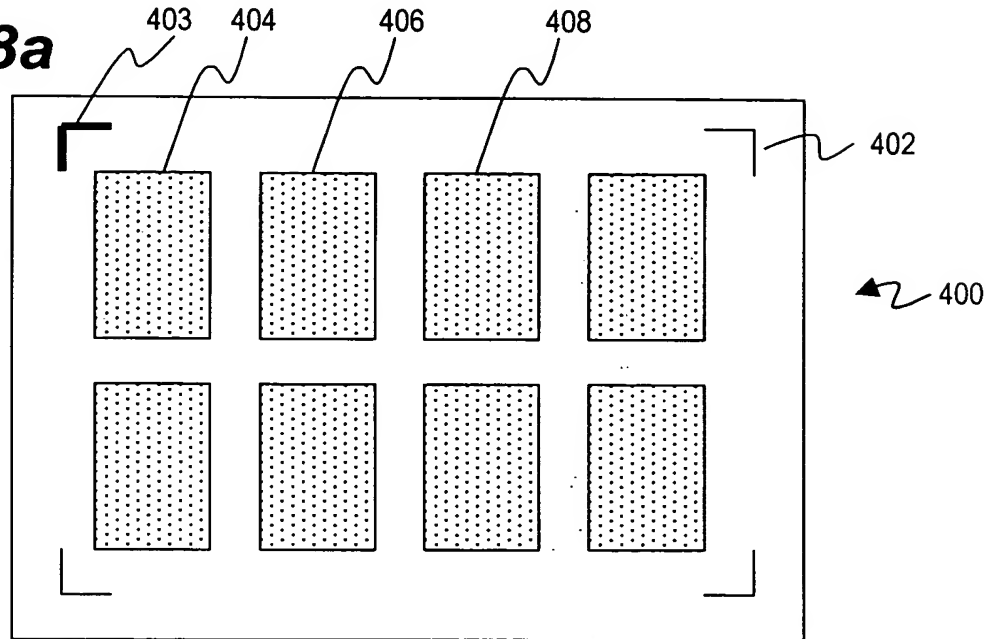


Fig. 18b

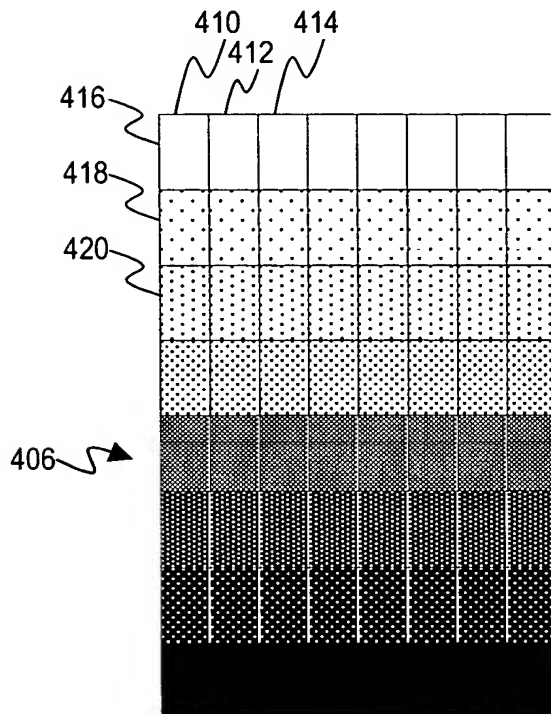


Fig. 21

<p>ERROR SECTOR VALUE 0</p> <hr/> <p>{ 0 0 0 } { 0 127 255 } { 127, 127, 127 } (255 255 255)</p>
<p>ERROR SECTOR VALUE 127</p> <hr/> <p>{ 0 0 127 } { 0 255 255 } (127 127 255)</p>
<p>ERROR SECTOR VALUE 255</p> <hr/> <p>{ 0 0 255 } { 0 127 127 } (127 255 255)</p>

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Fig. 19

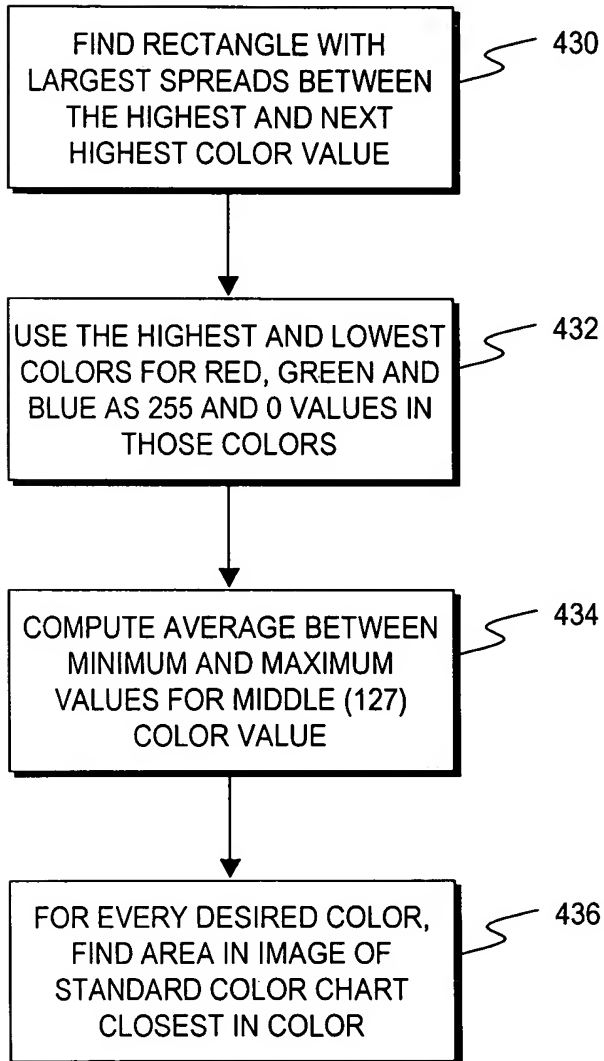
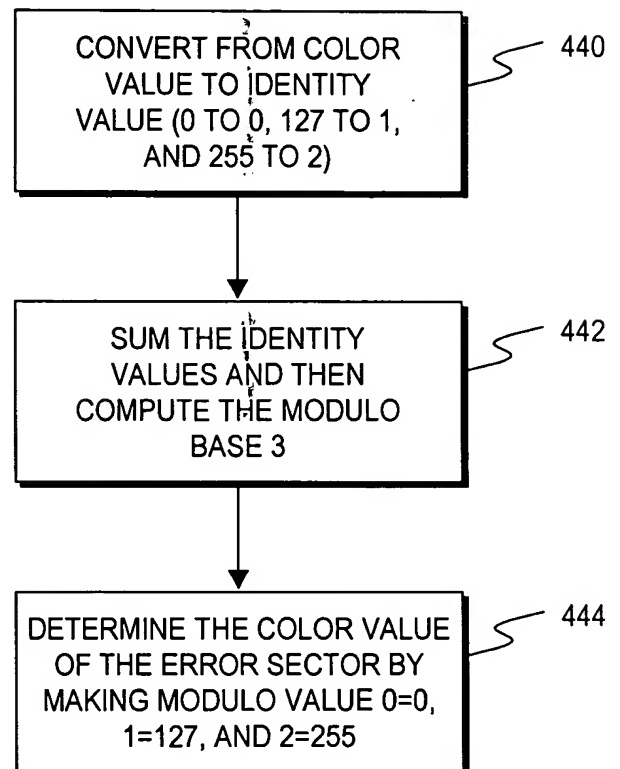


Fig. 20



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Fig. 23A

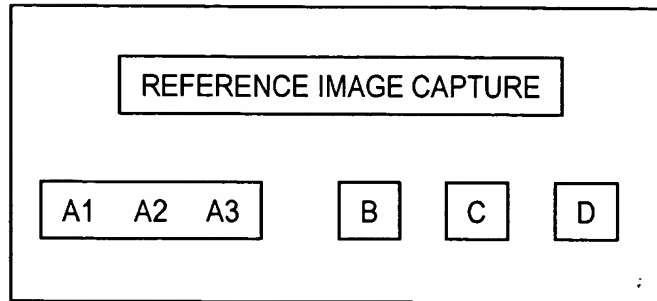


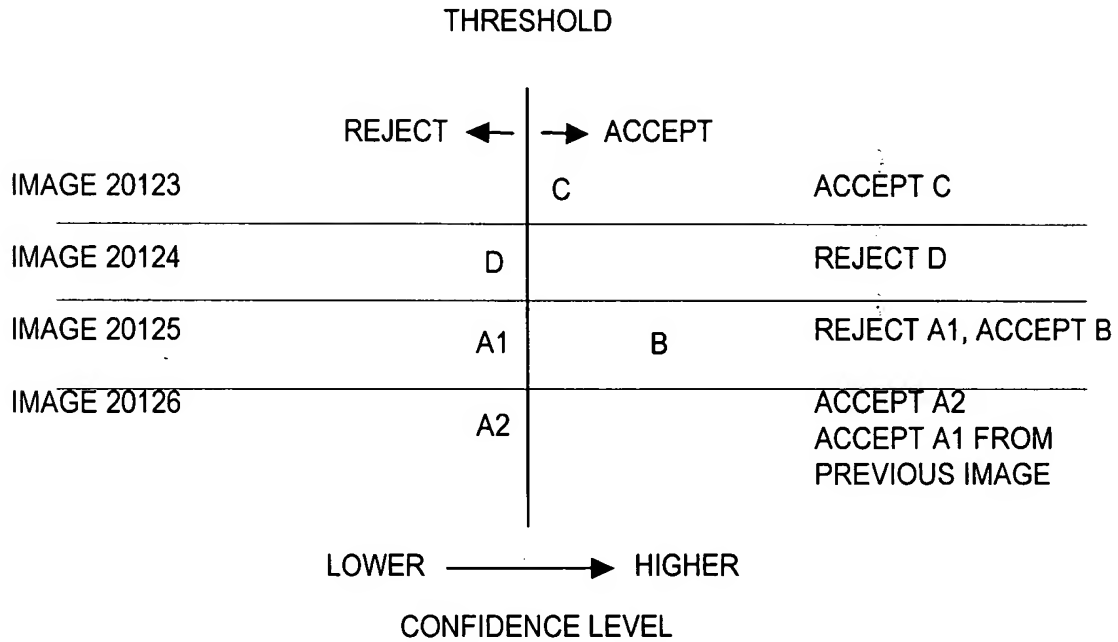
Fig. 23B

THRESHOLD			
REJECT ←		→ ACCEPT	
IMAGE A	B		REJECT B
IMAGE B		C	ACCEPT C
IMAGE C	A1	D	ACCEPT D, REJECT A1
IMAGE D	A1 A2		REJECT A1, A2
IMAGE E	A1 A3		ACCEPT A1, A3
IMAGE F	B C		REJECT B, C

LOWER → HIGHER
CONFIDENCE LEVEL

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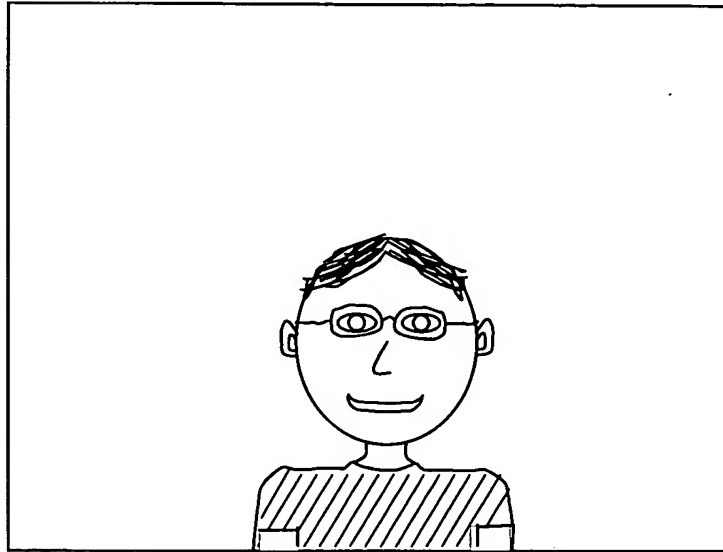
Fig. 23C



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Fig. 24A

500 →



-- 190
-- 185
-- 180
-- 175
-- 170
-- 165
-- 160
-- 155
-- 150
-- 145
-- 140

Fig. 24B

510 →

RELATIONAL DATABASE RECORD: 10462472

FIRST NAME: ALFRED
LAST NAME: NEWMAN
MAILING ADDRESS: 542 WHATME LANE
WORRY, IL 50328
FACIAL ID: 80 / AB / 62 / E7 /
OD / 81 / B7 / 23 /
AO / 06 / F2 / 30 /
7C / 3F / 11 / 2D
HEIGHT: 165 CM
EYEGLASSES: 80%
EYEGLASS COLOR: # 37B2E7
HAIR COLOR: # C2A330
HAIR COLOR CONFIDENCE: 34%
DATE OF REFERENCE: 12/15/01
SHIRT STYLE: PATTERN
SHIRT COLORS: # 842769
C207F1

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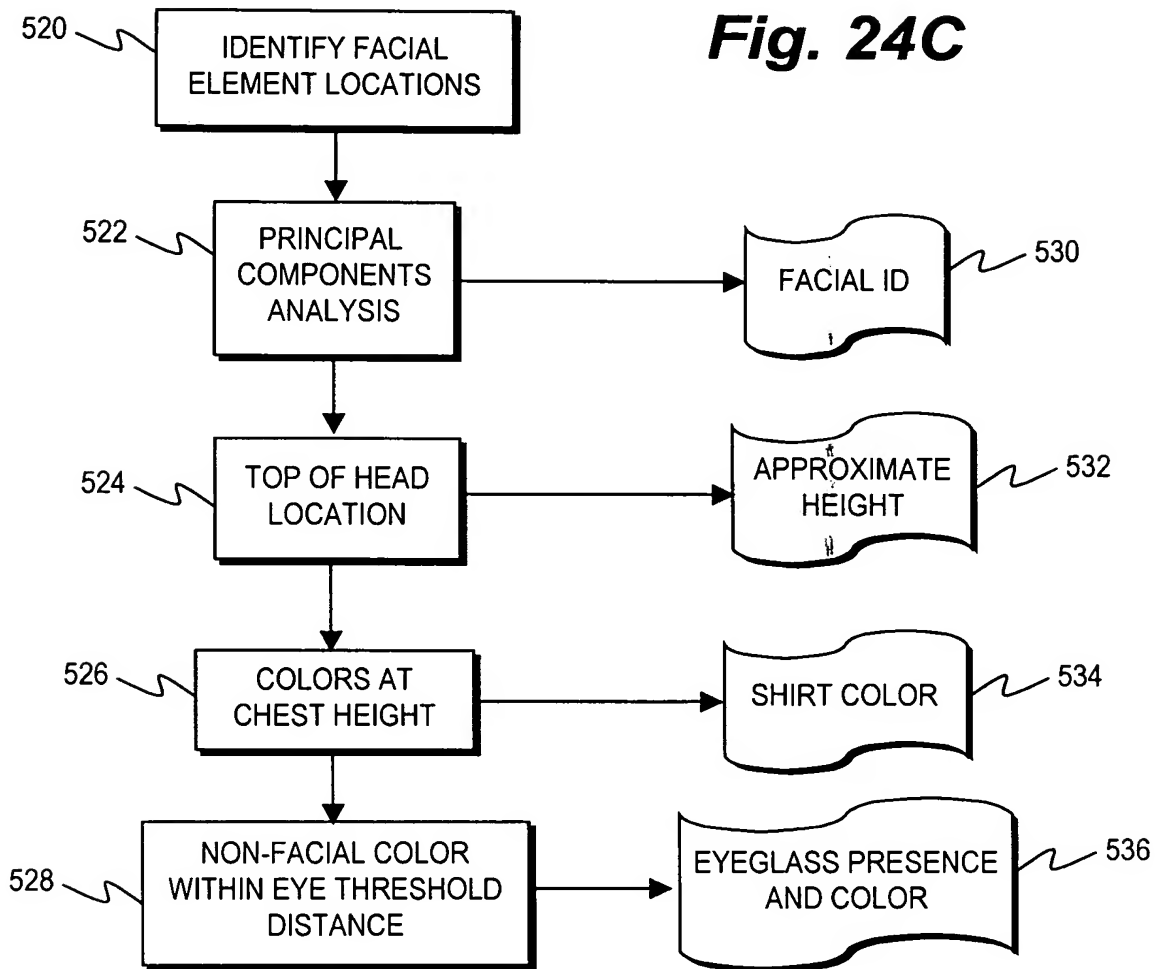
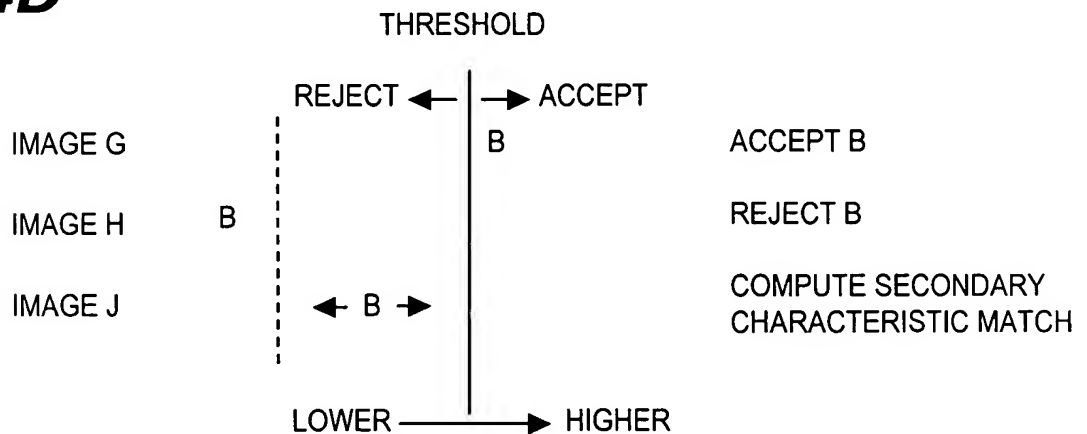
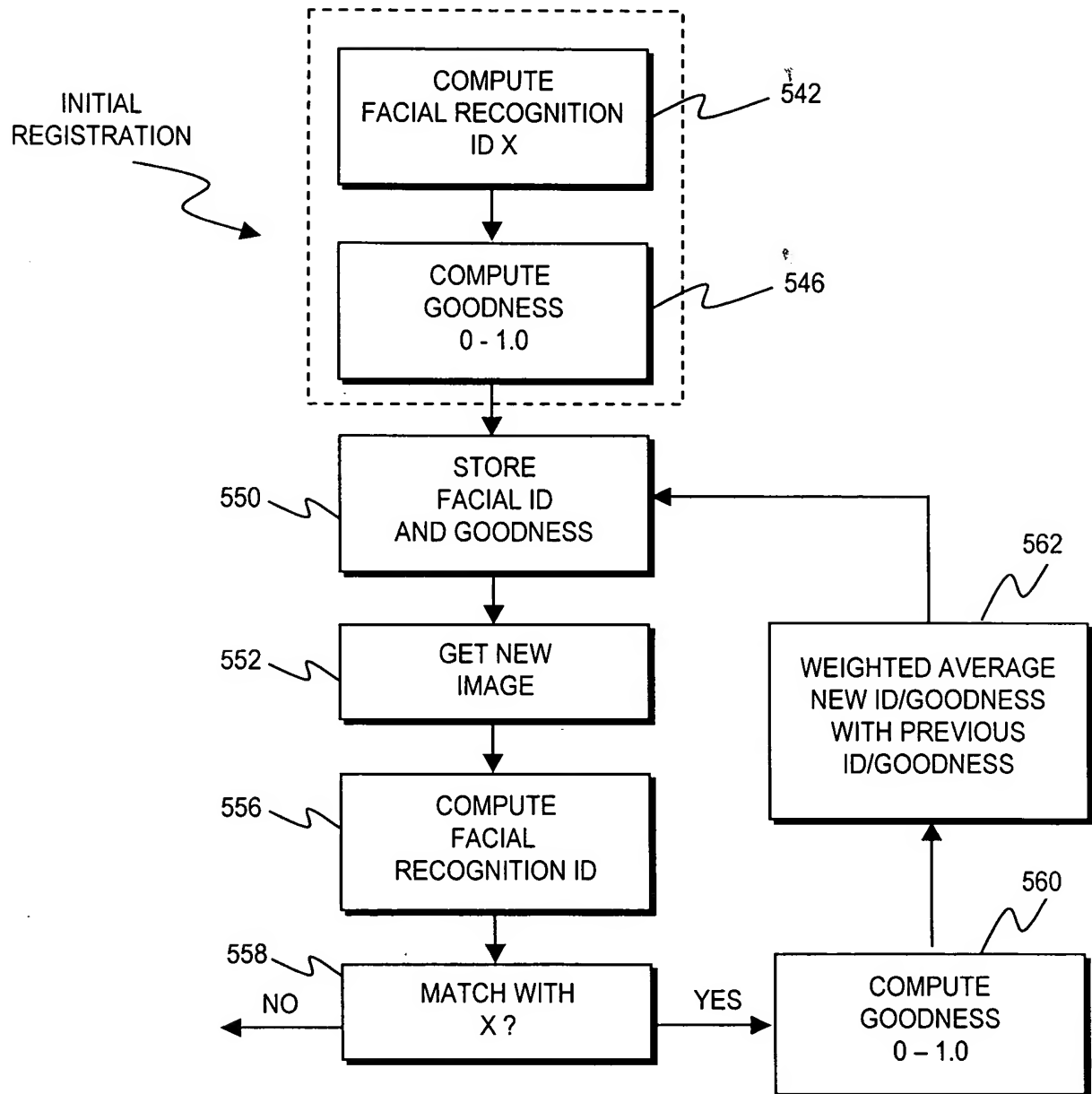


Fig. 24D



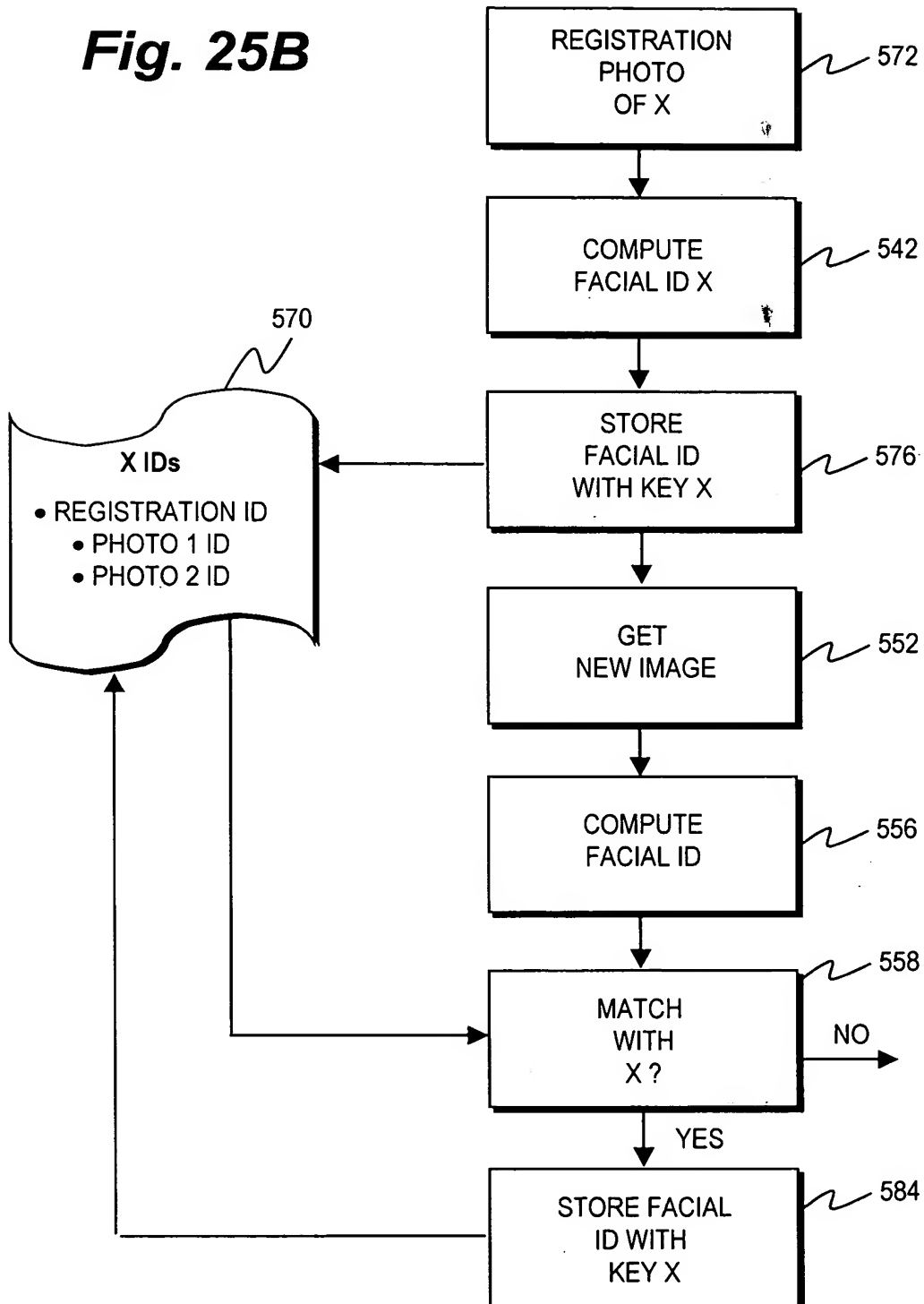
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Fig. 25A



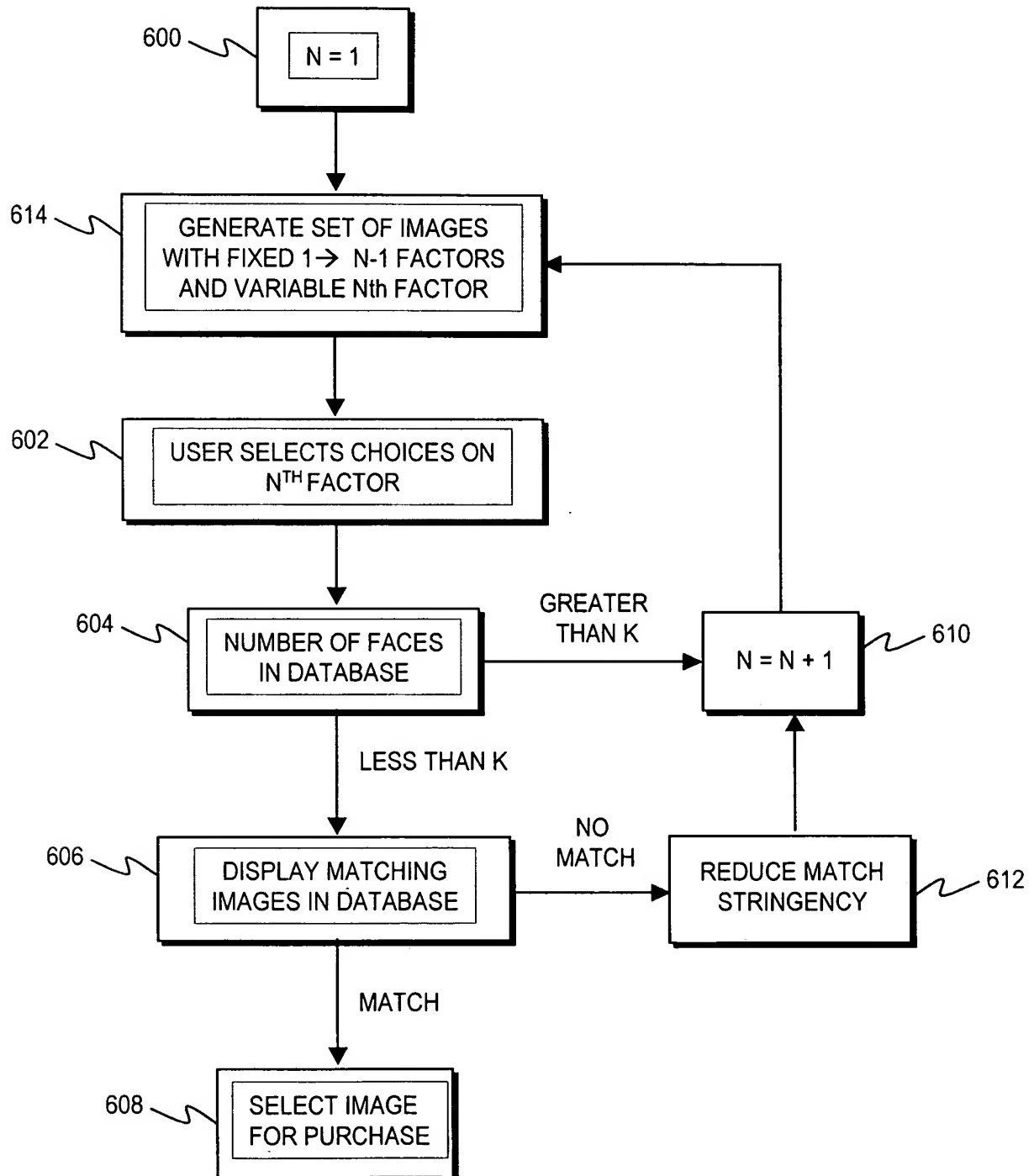
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Fig. 25B



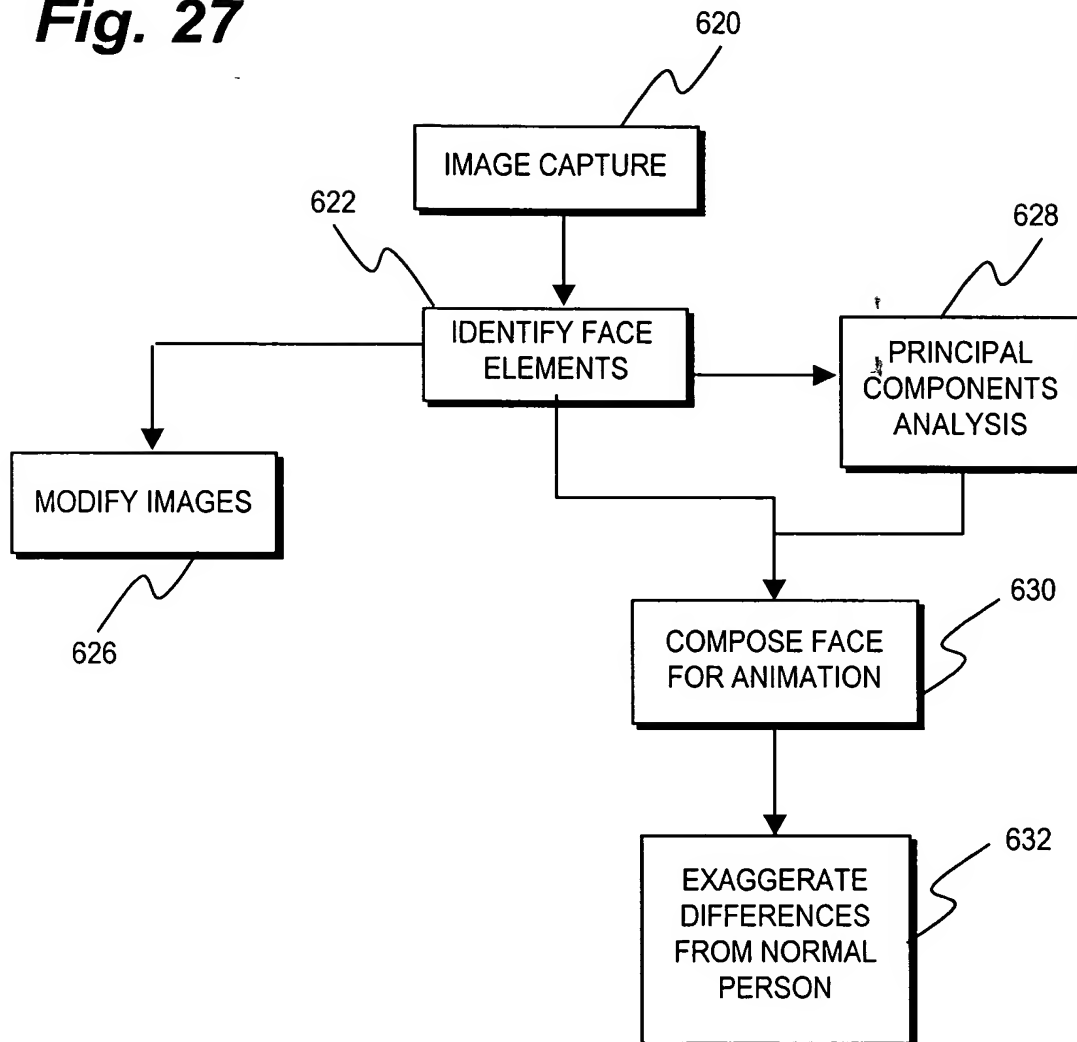
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Fig. 26



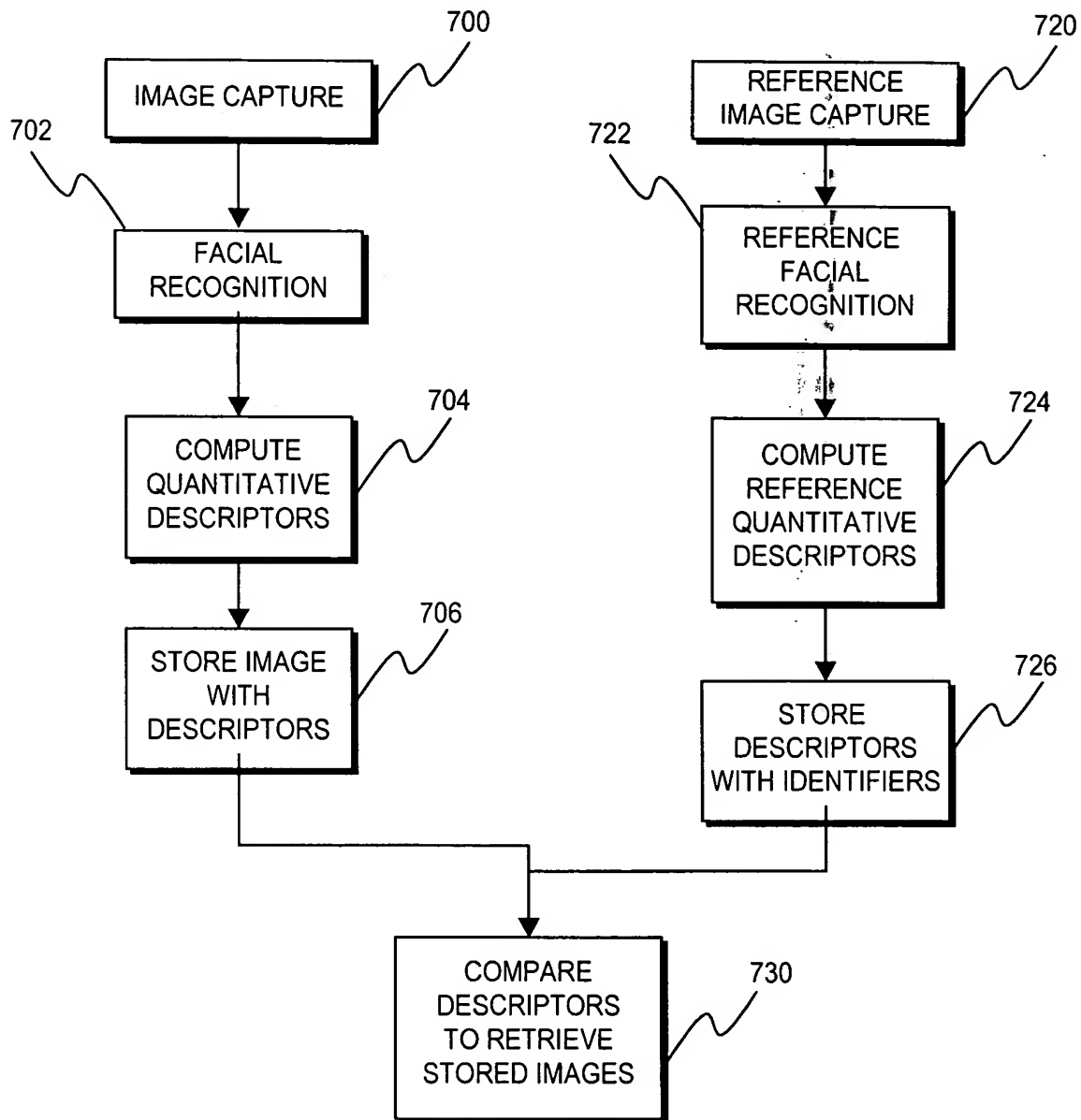
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Fig. 27



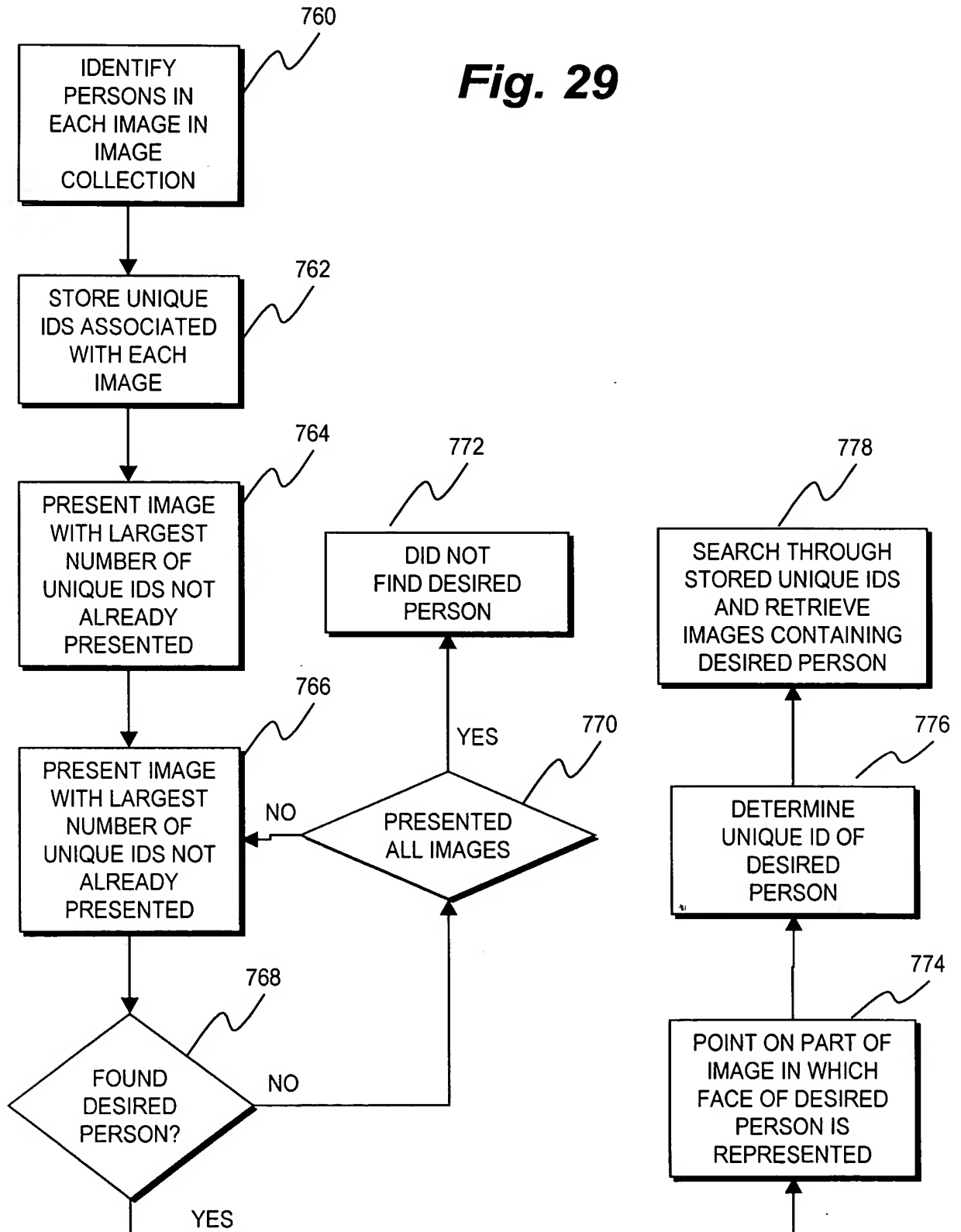
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Fig. 28



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Fig. 29



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Fig. 30

SEARCH FOR PICTURES

A

NUMBER OF PEOPLE IN PICTURE

☐ ANY NUMBER ☐ 0 ☐ 1 ☒ 2 ☐ 3 ☐ 4 OR MORE

☒ ORDER PICTURES BY INCREASING NUMBER OF PEOPLE

☐ ORDER PICTURES BY DECREASING NUMBER OF PEOPLE

☐ ORDER PICTURES BY DECREASING SIZE OF FACES

FIRST PERSON TO FIND SECOND PERSON TO FIND

PAMELA	▼
--------	---

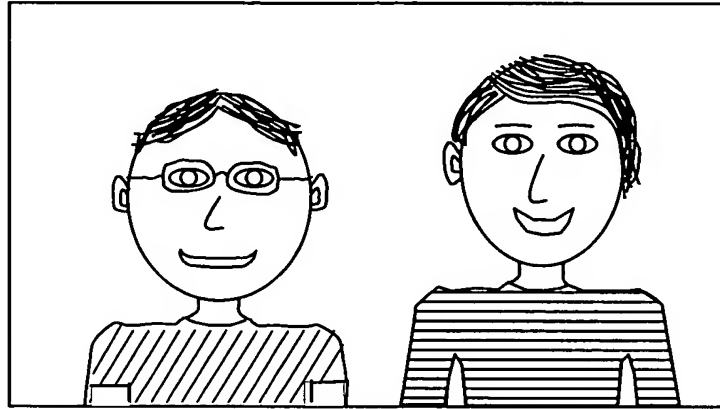
BARBARA	▼
BARBARA	▲
BRENDA	
BRIAN [A]	
BRIAN [B]	
BRIAN [C]	
BRIAN [ALL]	
COLIN	▼

B

SEARCH CANCEL

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Fig. 31



PEOPLE IN PICTURE (LEFT TO RIGHT)

SAMMY

☐

EMAIL PICTURE

☐

CROP TO FACE

☐

CROP TO BODY

??????

PAMELA

☐

REGISTER PERSON

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Fig. 32

